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- (71) Applicant (*for all designated States except US*): **EXPO-
NENTIAL BIOTHERAPIES, INC.** [US/US]; 150 Main
Street, Port Washington, NY 11050 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **GALPIN, Jeffrey**,
E. [US/US]; 150 Main Street, Port Washington, NY 11050
(US). **CARLTON, Richard, M.** [US/US]; 150 Main
Street, Port Washington, NY 11050 (US).
- (74) Agents: **KOKULIS, Paul, N. et al.**; Morgan, Lewis &
Bockius LLP, 1111 Pennsylvania Avenue, NW, Washing-
ton, DC 20004 (US).
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(54) Title: OXYGENATING AGENTS FOR ENHANCING HOST RESPONSES TO MICROBIAL INFECTIONS

(57) **Abstract:** Oxygenating agents are used in the present invention for the novel purpose of treating microbial infections. The invention takes advantage of the fact that the increase in tissue pO₂ produced thereby can enhance the efficacy of the body's own antimicrobial defenses (including tissue repair), while also improving the efficacy of adjunctive agents that may be co-administered, such as antimicrobial agents, antioxidants, cytokine modulators, endotoxin antagonists and growth factors. The oxygenating agents of the present invention achieve the desired increased pO₂ in the tissues without having to resort to the risks and expenses of hyperbaric oxygen therapy (HBO). The oxygenating agents can be administered systemically, regionally, or topically.

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